

WHAT IS CLAIMED IS:

1. In an internal combustion engine comprising:
  - a cylinder head;
  - an ignition plug mounted on said cylinder head for forming a combustion chamber; and
  - a fuel injector mounted on the cylinder head in proximity to said ignition plug; wherein,
    - said fuel injector is positioned at a side of an air intake valve which introduces air to said combustion chamber; and
    - said ignition plug is positioned at a side of an exhaust valve which exhausts an exhaust gas from said combustion chamber.
2. The internal combustion engine according to claim 1, wherein:
  - two intake valves are provided;
  - said fuel injector is positioned intermediate said two intake valves;
  - two exhaust valves are provided; and
  - said ignition plug is positioned intermediate said two exhaust valves.
3. The internal combustion engine according to Claim 1, wherein said ignition plug is mounted on an inclined face of said cylinder head.

4. The internal combustion engine according to Claim 1, wherein said fuel injection is formed with a porous injection hole type injector.

5. The internal combustion engine according to Claim 1, wherein said fuel injector injects in advance an injection spray portion having a long penetration, and thereafter injects an injection spray portion having a short penetration.